

Name: \_\_\_\_\_

## ET\_1021 version 19

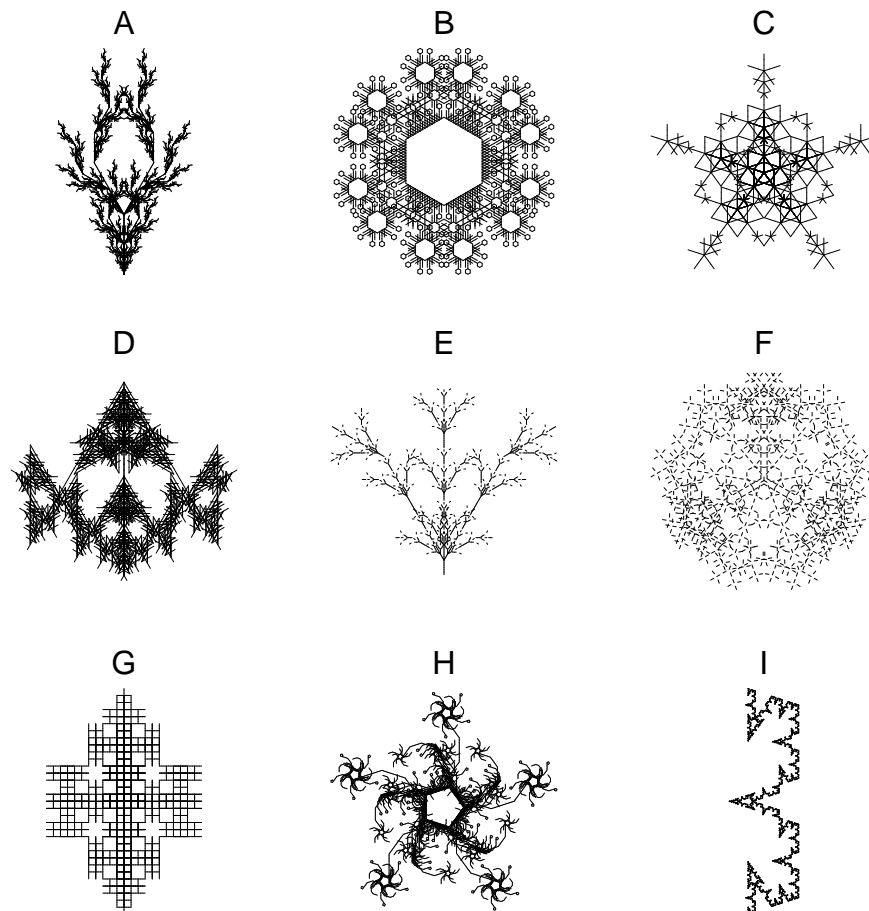
Consider the  $L$ -system (and angle) defined below:

- Start:  $[+A] [-B]$
- Rules:  
     $A > [-CA-CB]A$   
     $B > [+CB+CA]B$   
     $C > CC$

- Number of recursions (number of iterations): 6
- Angle:  $150^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?

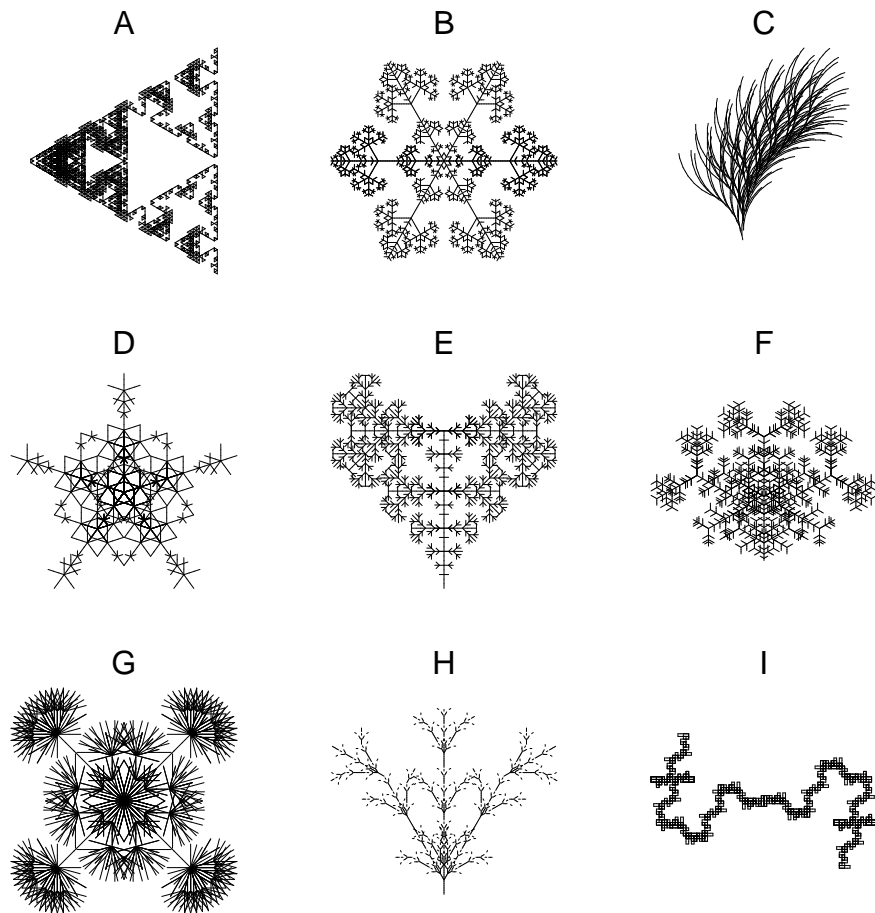
D

Consider the  $L$ -system (and angle) defined below:

- Start: A
- Rules:  
 $A \rightarrow [-AAB] [--AAB] [+AAB] [++AAB] AAB$   
 $B \rightarrow [-C] [+C] [--C] [++C] CA$   
 $C \rightarrow CC$
- Number of recursions (number of iterations): 3
- Angle:  $72^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?

**D**